



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Wang, et al.

Serial No.: 10/799,146

Confirmation No.: 7933

Filed:

March 12, 2004

For:

Method of Depositing an Amorphous Carbon Film for Etch Hardmask Application

MAIL STOP AMENDMENT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Group Art Unit: 2812

Examiner:

Craig Thompson

CERTIFICATE OF MAILING 37 CFR 1.8

I hereby certify that this correspondence is being deposited on <u>July 29, 2005</u>, with the United States Postal Service as First Class Mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

July 29, 2005 Date

Mireille Perret

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

While the information submitted in this Supplemental Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97, this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

If the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No. 20-0782/AMAT/8244/MP.

Respectfully submitted,

Mireille Perret

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known				
Application Number	10/799,146			
Filing Date	MARCH 12, 2004			
First Named Inventor	WANG, et al.			
Art Unit	2812			
Examiner Name	CRAIG THOMPSON			
Attorney Docket Number	at Number AMAT/8244/DSM/BCVD/JW			

	U.S. PATENT DOCUMENTS				
Examiner Initials *	Cite No.1	Document Number Number - Kind Code ² (if known)	- Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	US-5,022,959	06/11/1991	Itoh, et al.	<u> </u>
	A2	US-5,674,573	10/07/1997	Mitani, et al.	
	A3	US-5,998,100	12/07/1999	Azuma, et al.	
	A4	US- 6,352,922	03/05/2002	KIM	
_	A 5	US- 6,653,735	10/21/2003	Zhang, et al.	
	A6	US- 2004/0023502	02/05/2004	Tzou, et al.	
	A7	US- 2004/0038537 A1	02/26/2004	Liu, et al.	
	A8	US- 2004/0166691 A1	08/26/2004	Nieh, et al.	
	A9	US- 2004/0180551 A1	09/16/2004	Biles, et al.	*
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		FOREIGN PA	ATENT DOCU	IMENTS		
Examiner Cite No.1	Foreign Patent Document	Publication .	Name of Patentee or	Pages, Columns, Lines,		
		Country Code ³ - Number ⁴ - Kind Code ⁵ (<i>il known</i>)	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T ⁶
	B1	DE 103 28 578 (English abstract)	02/26/2004	Matthias		Х
	B2 EP 0 381 109 (English translation) 01/29/19		01/29/1990	BIRKLE, ET AL.		Х
	B3	EP 0 901 156	03/10/1999	STEINER		
	B4	JP 09 045633 (English abstract)	02/14/1997	YASUHARU		Х
B5 JP 11 026578 (English abstract)		01/29/1999 TETSUJI			Х	
	B6	WO 00/05763	02/03/2000	NAIK, ET AL.		
Examiner Signature			Date Consid	lered		

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PTO/SB/08a (07-05)

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<u>. </u>	T	NON PATENT LITERATURE DOCUMENTS		
Examiner Initials *	i i i i i i i i i i i i i i i i i i i			
	C1	Liu, et al., "Generating Sub-30nm Poly-Silicon Gates Using PECVD Amorphous Carbon as Hardmask and Anti-Reflective Coating", Proceedings of the SPIE, BELLINGHAM, VA, US, vol. 5040, no. 1, February 25, 2003, pages 841-848.		
	C2	PCT Notification of Transmittal of the International Search Report dated May 31, 2005 for PCT/US05/008070. (AMAT/8245PCT)		
	C3	PCT Written Opinion dated May 31, 2005 for PCT/US05/008070. (AMAT/8245PCT)		
<u>.</u>				

Examiner	!	Date	
Signature		Considered	

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